

Abbreviated Biography

Dr. Marc A. Rosen

Marc A. Rosen is a Professor of Mechanical Engineering at Ontario Tech University in Oshawa, Canada, where he served as founding Dean of the Faculty of Engineering and Applied Science from 2002 to 2008. Dr. Rosen has served as President of the Engineering Institute of Canada and of the Canadian Society for Mechanical Engineering. He has acted in many professional capacities, including founding Editor-in-Chief of the journal *Sustainability* and a member of the Board of Directors of Oshawa Power and Utilities Corporation.

With over 70 research grants and contracts and 1100 technical publications, Dr. Rosen is an active teacher and researcher in thermodynamics, energy technology, sustainable energy and the environmental impact of energy systems. Much of his research has been carried out for industry. He is also involved in multidisciplinary research, including the psychology of sustainability and sustainable development. Dr. Rosen has worked for such organizations as Imatra Power Company in Finland, Argonne National Laboratory near Chicago, the Institute for Hydrogen Systems near Toronto, and Toronto Metropolitan University (formerly Ryerson University) in Toronto, where he served as Chair the Department of Mechanical, Aerospace and Industrial Engineering.

Dr. Rosen has received numerous awards and honours, including an Award of Excellence in Research and Technology Development from the Ontario Ministry of Environment and Energy, the Engineering Institute of Canada's Smith Medal for achievement in the development of Canada, and the Canadian Society for Mechanical Engineering's Angus Medal for outstanding contributions to the management and practice of mechanical engineering. He is a Fellow of the Royal Society of Canada, the Engineering Institute of Canada, the Canadian Academy of Engineering, the Canadian Society for Mechanical Engineering, the American Society of Mechanical Engineers and the International Energy Foundation.